

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Ken SUZUKI et al. : **Mail Stop: PCT**
Serial No. NEW : Attorney Docket No. 2005_1157A
Filed July 21, 2005 :

A PHOSPHINE COMPOUND, ITS INTERMEDIATE,
ITS COMPLEX WITH PALLADIUM AND A
MANUFACTURING METHOD OF UNSATURATED
COMPOUNDS BY USING THE PALLADIUM COMPLEX
[Corresponding to PCT/JP2004/001514
Filed February 12, 2004]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication;
- ☒ each reference previously cited in the international application
PCT/JP2004/001514; and/or
- ☐ each reference previously cited in prior parent application Serial No.
_____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed along with the Written Opinion.

Respectfully submitted,

Ken SUZUKI et al.

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July 21, 2005

FORM PTQ, 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: July 21, 2005

ATTY DOCKET NO.
2005_1157ASERIAL NO.
NEW

10/542941

APPLICANT
Ken SUZUKI et al.FILING DATE
July 21, 2005

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AB						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AC	M. Topolski et al., "Chiral Carbenoids: Their Formation and Reactions", Journal of Organic Chemistry, Vol. 58, No. 3, pp. 546-555, 1993.
	AD	H. M. Walborsky et al., "Carbenoids. Metal Assisted Ionization", Tetrahedron Letters, Vol. 26, No. 23, pp. 2743-2746, 1985.
	AE	G. Boche et al., "Alternative Pathways in the Reactions of Cyclopropyl Halides with Alkali Metal Naphthalenes", Journal of the American Chemical Society, Vol. 102, No. 17, pp. 5697-5699, 1980.
	AF	R. Luckenbach et al., "Electrocyclic Ring Opening of Cyclopropyl Halides in the Course of their Reaction with Sodium Iodide in Acetone", Zeit. Fuer Natur., Vol. 34B, No. 3, pp. 464-480, 1979.
	AG	V. Sander et al., "Synthesis and Reactions of 1-Chloro-1-cyclopropanecarboxylic Acids and 1-Cyclopropene-1-carboxylic Acids", Chem. Ber., Vol. 111, No. 12, pp. 3879-3891, 1978.
	AH	H. M. Walborsky et al., "Cyclopropanes. XXXIII. Reaction of Lithium Metal Surfaces with Optically Active 1-halo-1-Methyl-2,2-Diphenylcyclopropane", Journal of Organometallic Chemistry, Vol. 51, pp. 55-75, 1973.
	AI	H. M. Walborsky et al., "Cyclopropanes. XXXII. The Mechanism of Grignard Formation", Journal of Organometallic Chemistry, Vol. 51, pp. 31-53, 1973.
	AJ	H. M. Walborsky et al., "Cyclopropanes. XXIX. The Stereochemistry of the 1-Methyl-2,2-diphenylcyclopropyl Radical in and out of Solvent Cage", Journal of the American Chemical Society, Vol. 93, No. 3, pp. 671-675, 1971.
	AK	J. W. Hausser et al., "Solvolysis of Cyclopropyl Halides. 2-Phenylcyclopropyl Chlorides ^{1,2} ", Journal of the American Chemical Society, Vol. 89, NO. 26, pp. 6981-6984, 1967.
	AL	H. Ikeda et al., "Spectroscopic and Calorimetric Studies on the Mechanism of Methylene cyclopropane Rearrangements Triggered by Photoinduced Electron Transfer", Journal of the American Chemical Society, Vol. 125, No. 30, pp. 9147-9157, 2003.

EXAMINER

DATE CONSIDERED